



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09190885 A**(43) Date of publication of application: **22.07.1997**(51) Int. Cl. **H05B 41/14**(21) Application number: **07354865**(22) Date of filing: **28.12.1995**(71) Applicant: **HITACHI LIGHTING LTD**(72) Inventor: **YAMADA AKIYASU**(54) **EMERGENCY LAMP LIGHTING DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To contrive power saving by preferentially utilizing a solar battery and to prolong an emergency lighting period.

SOLUTION: A power supply control circuit provided in an emergency lamp lighting device performs the following: Power feed priority order to an inverter is in the order of a solar battery SS, AC power supply AC, and a battery BA. Excessive power from the solar battery SS is used for charging the battery BA. Underpower in the solar battery SS is compensated by the AC power supply AC or the battery BA. Namely, switching to the AC power supply AC is done by detecting the voltage of the solar battery SS. A charging current is available by connecting a relay RY1 between both terminals of the AC power supply AC; switching relay contacts de-

pending on an AC power state; Varying the values of charging resistors R3, R4. A discharging path for the battery BA serves to discharge through two relay contacts. Lighting is done by only the battery BA if lighting by the AC power supply AC and the solar battery SS is unavailable.

COPYRIGHT: (C)1997,JPO

